DATE: 5th March, 2000
NAME: David Drumm
COMPANY/AFFILIATION: 3Com
ADDRESS: Valley Forge
2435 Blvd. of the Generals,
Norristown PA. 19403
PHONE: (610)-635-0100
FAX:
E-MAIL: David_Drumm@3com.com
REQUESTED REVISION:
STANDARD: IEEE Std 802.3ab-1999
CLAUSE NUMBER: 40.3.4, Figure 40-9
CLAUSE TITLE: State diagrams
PROPOSED REVISION TEXT:
On the lower right hand side exiting the the CARRIER EXTENSION state path 'A' is taken if STD * tx_enable=FALSE * tx_error=TRUE. Suggest this should read STD * tx_enable=FALSE * tx_error=FALSE.

RATIONALE FOR REVISION:
1. At the moment two paths out of the CARRIER EXTENSION state have the same conditions, both the path to 'A' and the path returning to the CARRIER EXTENSION state have the condition STD * tx_enable=FALSE * tx_error=TRUE. This cannot be correct.

2. The path to A leads to the state SEND IDLE. I would expect the transition from the CARRIER EXTENSION state to the SEND IDLE state should occur when the GMII signals return to the idle state which is defined in clause 35.2.2 as tx_enable=FALSE and tx_error=FALSE and therefore expect that the transition condition should read STD * tx_enable=FALSE * tx_error=FALSE.

IMPACT ON EXISTING NETWORKS:
It is unlikely that an implementation could meet the existing state machine specification as one condition requires a transition to two different states so changing the specification is unlikely to make any existing implementations non-conformant.

Please attach supporting material, if any
Submit to:- Geoffrey O. Thompson, Chair IEEE 802.3
Nortel Networks, Inc. M/S SC5-02
4401 Great America Parkway
P. O. Box 58185
Santa Clara, CA 95052-8185 USA
Phone: +1 408 495 1339 FAX: 988 5525
E-Mail: geoff_thompson@baynetworks.com

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1029